

**Table 1. Diode Short-Circuit Test Results**

% State-of-Charge	Battery Condition		Ambient Temperature ( ° C )		
	Open-Circuit Voltage*	Internal Impedance**	-27	23	80
100	12.88	7.83 mOhms	PASS	PASS	PASS
60	12.28	8.00 mOhms	PASS	PASS	PASS
25	12.01	9.48 mOhms	PASS <sup>2</sup>	PASS	PASS
10	11.64	17.40 mOhms		PASS <sup>1</sup>	

\* - Measured prior to initial testing at room temperature

\*\* - Measured at 1000Hz

<sup>1</sup> - Not enough battery capacity to trip fuse (short time >5 sec.)

<sup>2</sup> - Not enough battery capacity to trip fuse (short time >5 sec.)

**Table 2. Summary of Measured Test Criteria\***

% State-of-Charge	Ambient Temperature ( ° C )								
	-27			23			80		
	Maximum Current (Amps)	Max. Diode Voltage (V)	Short-Circuit Duration (msec.)	Maximum Current (Amps)	Max. Diode Voltage (V)	Short-Circuit Duration (msec.)	Maximum Current (Amps)	Max. Diode Voltage (V)	Short-Circuit Duration (msec.)
100	708	1.16	200	976	1.18	12	1013	1.20	8
60	661	1.15	34**	935	1.21	50	934	1.13	10
25	107	0.83	>5 sec.	782	1.14	94	751	1.09	54
10				333	0.90	>5 sec.			

\* - Average of two samples for each test, with the exception of 10%SOC @ 23°C and 25%SOC @ -27°C

\*\* - This test to be repeated at a later date.